

### **REMARKS**

This Amendment responds to the Office Action mailed July 29, 2005 in the above-identified application. Based on the foregoing amendments and the following comments, reconsideration and allowance of the application are respectfully requested.

Claims 1-28 were previously pending in the application. By this amendment, claims 1, 2, 6-8, 10-13, 15-20, 24-26 and 28 are amended. Claims 3-5, 9, 14, 21-23 and 27 are cancelled without prejudice or disclaimer. Accordingly, claims 1, 2, 6-8, 10-13, 15-20, 24-26 and 28 are pending for examination, with claims 1, 13, 16 and 28 being independent claims. No new matter has been added.

The Examiner has objected to the drawings under 37 C.F.R. §1.83(a). The Examiner contends that the digital input circuit and the cable loss compensation circuit must be shown or the features cancelled from the claims. The Examiner is advised that the digital input circuit is shown in Fig. 1 as logic control and timing unit 40. The logic control and timing unit 40 is described at least at page 4, lines 19-27 of the specification. The claims which recite the cable loss compensation circuit, claims 9 and 27, have been cancelled. Accordingly, it is submitted that every feature of the invention specified in the claims is shown in the drawings, and withdrawal of the objection to the drawings is respectfully requested.

The Examiner has objected to claims 2-12, 14-15 and 17-27 because "A" should be changed to "The". While Applicants do not concur that the change is necessary, the requested change has been made. Accordingly, withdrawal of the objection to the claims is respectfully requested.

The Examiner has rejected claims 1-4, 6, 8, 11-13, 15, 16, 26 and 28 under 35 U.S.C. §102(b) as anticipated by Persons (U.S. 5,521,493). Claim 20 is rejected under 35 U.S.C. §103(a) as unpatentable over Persons in view of Lau, et al (U.S. 5,146,159). Claims 5, 7, 9, 10, 14, 17-19, 21-25 and 27 are indicated to be allowable if rewritten in independent form, including all the limitations of the base claim and any intervening claims.

Claim 1 has been amended to incorporate the limitations of allowable claim 5, and claim 5 has been cancelled. Accordingly, amended claim 1 is in condition for allowance. Claims 2, 6-8 and 10-12 depend from claim 1 and are allowable for at least the same reasons as claim 1.

Claim 13 has been amended to incorporate the limitations of allowable claim 14, and claim 14 has been cancelled. Accordingly, amended claim 13 is in condition for allowance. Claim 15 depends from claim 13 and is allowable for at least the same reasons as claim 13.

Claim 16 has been amended to incorporate the limitations of allowable claim 23, and claim 23 has been cancelled. Accordingly, amended claim 16 is in condition for allowance. Claims 17-20 and 24-26 depend from claim 16 and are allowable for at least the same reasons as claim 16.

Claim 28 has been amended to require the step of maintaining an idle current for the output circuit at a constant level in the dynamic mode and in the termination mode. Persons does not disclose or suggest maintaining an idle current for the output circuit at a constant level in the dynamic mode and in the termination mode, as claimed. Accordingly, amended claim 28 is in condition for allowance, and withdrawal of the rejection is respectfully requested.

Based upon the above discussion, claims 1, 2, 6-8, 10-13, 15-20, 24-26 and 28 are in condition for allowance.

**CONCLUSION**

A Notice of Allowance is respectfully requested. The Examiner is requested to call the undersigned at the telephone number listed below if this communication does not place the case in condition for allowance.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Dated: November 28, 2005

Respectfully submitted,

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